

SEQUENCE LISTING

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LOWE, DAVID G.

<120> DIFFERENTIALLY EXPRESSED GENES IN CARDIAC HYPERTROPHY AND THEIR
USES IN TREATMENT AND DIAGNOSIS

<130> 09800081-0006

<140> US 09/554,169

<141> 2000-08-21

<150> PCT/US98/23953

<151> 1998-11-10

<150> US 09/189,618

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<150> US 60/065,048

<151> 1997-11-10

<160> 32

<170> PatentIn version 3.2

<210> 1

<211> 114

<212> DNA

<213> Rattus sp.

<220>

<221> misc_feature

<222> (10)..(108)

<223> "n" represents a, t, c, g, other or unknown

<400> 1

ggtacctggn tggccaagaa gttgcgnant ttgtntggna gagtggtaag cagtgggggtg 60

gcaaacagac ctggagcaat tgttaccaca cggatgccta taggagcnag atct 114

<210> 2

<211> 198

<212> DNA

<213> Rattus sp.

<400> 2

rgatccaggg aatcctgcag ttccaggagg accaggggga cctgggttgcc cgtcactgcc 60

ccgagcacca tcattgcctc gagcacctgc ggctccagga agacctggtc gtcctcgctc 120

accaggagcc cctctgggac ccatggggcc aggagctccg ttgtctcccg gaagaccgtt 180

ttcacccttc aatccagg 198

<210> 3
 <211> 270
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (220)..(220)
 <223> "n" represents a, t, c, g, other or unknown

<400> 3
 tccggagtgg acagccagta ggagtagtcg ttcttgagg cgaagttgca gacgttggtg 60
 atgttgacaga agaggaaggg catggtgctg aacttgcgca gacagctgcc agccgtaccc 120
 aagtcttgac catgggcccc ctcgtttcct tggacataga gcagagagta cccatggtaa 180
 agaattttgg tccttggggg acacagcggg tcattctacn gtctgactat gcctgggtcac 240
 aaggaagcca tgggtccacag atgggggtacc 270

<210> 4
 <211> 121
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (10)..(103)
 <223> "n" represents a, t, c, g, other or unknown

<400> 4
 ggtaccttcn atttgttccc atgctatcnn atcctaagg atgccctggt ttcccagcca 60
 ncnnagtgtc tgcacccngn aggattgcct gctgncntnn cnntgacttt tctgttccgg 120
 a 121

<210> 5
 <211> 66
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (23)..(27)
 <223> "n" represents a, t, c, g, other or unknown

<400> 5
 yggccacggc ggcttgccgg gcntnancgg gttttcctca gggcaaata tataaggctc 60
 ggtacc 66

<210> 6
 <211> 143
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (35)..(96)
 <223> "n" represents a, t, c, g, other or unknown

<400> 6
 gtgcacacac actatagttt tcttgcttgt ccttnngttc tctctgggag atggacaacc 60
 ctcaaaggca ctgattgntg acattnntag ctctgntcct tactcaggca gccagctcag 120
 ccaaggcccg gtccaaggga tcc 143

<210> 7
 <211> 127
 <212> DNA
 <213> Rattus sp.

<400> 7
 rgatcccaag tcacagcatt ttcccacgta actcgactct gaggccatag cctatccaca 60
 gcctcctcgt cccctgcacc gcccagtgtc tcaactggctg tgttggagac ggggaattgca 120
 taagctt 127

<210> 8
 <211> 147
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (67)..(120)
 <223> "n" represents a, t, c, g, other or unknown

<400> 8
 aagcttgcac agatcaaaag aaatggaacc gtgtggggac aaggcaaata aaaaaactca 60
 cggtgcnatt ctcnncataa agcgaaacgg tttaaattgca gcagtgtgan ttcttccan 120
 ttcctttctct gggatttcag gggatcc 147

<210> 9
 <211> 266
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (13)..(176)
 <223> "n" represents a, t, c, g, other or unknown

<400> 9
 gtgcacggac tgnaggctgt gctcgggcca gtgggtgactg catttgccac aggactcatt 60
 tactgccacg ctctgcctct ganggtnttc cangtncnnn annanntnan nggtnanntn 120
 ntncaaantnt tncaactncn tnaaggtnaa nggginctggg ctncaagaga acgtanctgg 180
 ttttggtttt gagatgggtgg aggcagtggg tgctgcttct cttgaactag gggcttctcc 240
 ttctgctgag cataggtgaa gctagc 266

<210> 10
 <211> 114
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (7)..(105)
 <223> "n" represents a, t, c, g, other or unknown

<400> 10
 agatctngct cctataggca tccgtgtggt aacaattgct ccaggctctgt ttgccacccc 60
 actgcttacc actctnccan acaaantncc caacttcttg gccanccagg tacc 114

<210> 11
 <211> 114
 <212> DNA
 <213> Mus sp.

<400> 11
 agatctggct cctacaggca tccgtgtggt aacaattgct ccagggttctgt ttgccacccc 60
 actgcttacc acccttccag agaaagtgcg aaacttcttg gccagccagg tacc 114

<210> 12
 <211> 113
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (6)..(104)
 <223> "n" represents a, t, c, g, other or unknown

<400> 12
 gatctngctc ctataggcat ccgtgtggta acaattgctc cagggtctgtt tgccacccca 60

ctgcttacca ctctnccana caaantncgc aacttcttgg ccancaggt acc 113

<210> 13
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 13
 gatctggctc ccataggtat ccgggtgatg accattgccc caggtctgtt tggcacccca 60
 ctgctgacca gcctcccaga gaaagtgtgc aacttcttgg ccagccaagt gcc 113

<210> 14
 <211> 197
 <212> DNA
 <213> Rattus sp.

<400> 14
 cctggattga aggggtgaaaa cggctcttccg ggagacaacg gagctcctgg ccccatgggt 60
 cccagagggg ctcttggtga gcgaggacga ccaggtcttc ctggagccgc aggtgctcga 120
 ggcaatgatg gtgctcgggg cagtgcgggg caaccaggtc cccctgggtcc tcttggaact 180
 gcaggattcc ctggatc 197

<210> 15
 <211> 197
 <212> DNA
 <213> Mus sp.

<400> 15
 cctggactga aggggtgaaaa tgttcttcca ggagacaacg gagctcctgg ccccatgggt 60
 cctagagggg ctcttggtga gcgaggacga ccaggccttc ctggagctgc aggtgctcga 120
 ggcaatgatg gtgctcgggg cagtgcgggg caacctggtc cccctggccc tcttggaact 180
 gcaggattcc ctggatc 197

<210> 16
 <211> 270
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (51)..(51)
 <223> "n" represents a, t, c, g, other or unknown

<400> 16
 ggtaccccat ctgtggacca tggcttcctt gtgaccaggc atagtcagac ngtgagatga 60

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cccgctgtgt cccccagga ccaaaattct ttaccatggg tactctctgc tctatgtcca 120
aggaaacgag cgggcccatt gtcaggactt gggtagggct ggcagctgtc tgcgcaagtt 180
cagcaccatg cccttctctt tctgcaacat caacaacgtc tgcaacttcg cctccaggaa 240
cgactactcc tactggctgt ccactccgga 270

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<210> 17
<211> 269
<212> DNA
<213> Mus sp.

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<400> 17
ggtagcccat ctgtggacca tggcttcctt gtgaccaggc atagtcagac aacagatgac 60
ccactgtgtc ccccagggac caaaattctt taccatggat actctctgct ctatgtccaa 120
ggcaacgagc gtgcccacgg gcaggacttg ggtacggctg gcagctgcct gcgtaagtcc 180
agcaccatgc cttttctctt ctgcaacatc aacaacgtct gcaacttcgc ctccaggaa 240
gactactctt actggctgtc cagccaga 269

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<210> 18
<211> 270
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: consensus sequence

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<220>
<221> misc_feature
<222> (51)..(268)
<223> "n" represents a, t, c, g, other or unknown

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<400> 18
ggtagcccat ctgtggacca tggcttcctt gtgaccaggc atagtcagac nnnnagatga 60
cccnctgtgt cccccagga ccaaaattct ttaccatggn tactctctgc tctatgtcca 120
aggnaacgag cgngcccang gncaggactt gggtagggct ggcagctgnc tgcgnaagtt 180
cagcaccatg cccttntctt tctgcaacat caacaacgtc tgcaacttcg cctccaggaa 240
cgactactcn tactggctgt ccacncnga 270

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<210> 19
<211> 121
<212> DNA
<213> Homo sapiens

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<400> 19
 ggtaccttca atgtgtttcc atgttaccaa ctccataaag atgccctggt ttcccagcca 60
 accaggtact tgcaccaga aggattgccc tccgactaca caatcagttt tctattccgg 120
 a 121

<210> 20
 <211> 64
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (22)..(26)
 <223> "n" represents a, t, c, g, other or unknown

<400> 20
 ggccacggcg gcctgcgggg cntnancggg ttttcctcag ggcaaatgat ataaggctcg 60
 gtac 64

<210> 21
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 21
 ggccacggcg gtctccgagg ctatctacgg gtttttttca ggacaaatga tgccaagggt 60
 ggtac 65

<210> 22
 <211> 66
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: consensus sequence

<220>
 <221> misc_feature
 <222> (12)..(61)
 <223> "n" represents a, t, c, g, other or unknown

<400> 22
 ggccacggcg gncnncgngg cnntnnncgg gttttnttca ggncaaatga tnnnaaggnt 60
 nggtac 66

<210> 23
 <211> 143

<212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (48)..(109)
 <223> "n" represents a, t, c, g, other or unknown

<400> 23
 ggatcccttg gaccgggcct tggctgagct ggctgcctga gtaagganca gagctannaa 60
 tgtcancaat cagtgccttt gagggttgtc catctcccag agagaacnna aggacaagca 120
 ggaaaactat agtgtgtgtg cac 143

<210> 24
 <211> 141
 <212> DNA
 <213> Mus sp.

<400> 24
 ggatcccttg gaccgggcct tggctgagct ggctgcctga gtaaggacca agccatcaat 60
 gtcaccaatc agtgcctttg agggttgtcc atctcccaaa gacatcatat ggcaagcagg 120
 aaaactatga tgtgtgcgcg c 141

<210> 25
 <211> 143
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: consensus sequence

<220>
 <221> misc_feature
 <222> (7)..(142)
 <223> "n" represents a, t, c, g, other or unknown

<400> 25
 ggatccnttg gaccgggcct tggctgagct ggctgcctga gtaagganca nagnannaa 60
 tgtcancaat cagtgccttt gagggttgtc catctccan aganancnna nggncaagca 120
 ggaaaactat nntgtgtgng cnc 143

<210> 26
 <211> 127
 <212> DNA
 <213> Rattus sp.

<400> 26

agatcccaag tcacagcatt ttcccacgtt actcgactct gaggccatag cctatccaca 60
 gcctcctcgt cccctgcacc gcccagtgtc tcaactggctg tgttggaac ggaattgca 120
 taagctt 127

<210> 27
 <211> 147
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (28)..(81)
 <223> "n" represents a, t, c, g, other or unknown

<400> 27
 ggatcccctg aaatcccaga gaaggaantg ggaagaantc aactgctgc atttaaaccg 60
 ttctgcttta tgnngagaat ngcacctga gtttttttat ttgccttgtc cccacacggt 120
 tccatttctt ttgatctgtg caagctt 147

<210> 28
 <211> 146
 <212> DNA
 <213> Mus sp.

<400> 28
 ggatcccctg aaatcccga gaagagcctg ggaagaatca aactgatgca tttaacgcgt 60
 tctgctttac acagaggatc gcaccgtgag ccgtgctatc tgtcctgtcc ccacacggtt 120
 ctgtttcttt tggctctgtg aagctt 146

<210> 29
 <211> 147
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: consensus sequence

<220>
 <221> misc_feature
 <222> (18)..(134)
 <223> "n" represents a, t, c, g, other or unknown

<400> 29
 ggatcccctg aaatcccnga gaagnnntg ggaagaantc anactgntgc atttaanncg 60
 ttngcttta nnnngagnat ngcacctga gnnntntat ntgnctgtc cccacacggt 120

tcnntttctt ttgntctgtg caagctt

147

<210> 30
 <211> 265
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (90)..(253)
 <223> "n" represents a, t, c, g, other or unknown

<400> 30
 cttagcttcac ctatgctcag cagaaggaga agcccctagt tcaagagaag cagcaccac 60
 tgccctccacc atctcaaaac caaaaccagn tacgttctct tgnagcccag ncccnttnac 120
 cttnangnag ttgnaanatt tgnannannt naccnntnan ntntnnngn acntgganna 180
 ccntcagagg cagagcgtgg cagtaaata gtcctgtggc aaatgcagtc accactggcc 240
 cgagcacagc ctncagtcgc tgcac 265

<210> 31
 <211> 267
 <212> DNA
 <213> Mus sp.

<400> 31
 cttagcttcac ctatgctcag cagaaggaga agcccctagt tcaagagaag cagcaccac 60
 agcctccacc agctcaaaac caaaaccagg tacgtctctc tggaggccca ggccccttga 120
 ccctgaagga ggtagaggag ttggagcagc tgaccagca gctgatgcag gacatggaac 180
 accctcagag gcagagcgtg gcagtgaatg agtcctgtgg caaatgcaat cagccactgg 240
 cccgtgcaca gcctgcggtt cgtgcac 267

<210> 32
 <211> 243
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: consensus sequence

<220>
 <221> misc_feature
 <222> (61)..(233)
 <223> "n" represents a, t, c, g, other or unknown

<400> 32

ctagcttcac ctatgctcag cagaaggaga agcccctagt tcaagagaag cagcaccac	60
ngcctccacc anctcaaaac caaaaccagn tacgntctcn tgnagnccca gncccnttna	120
ccntnangna gntnnannan ttgnannann tnaccnnna nntnntnnng nactggann	180
accntcagag gcagagcgtg gcagtnaatg agtcctgtgg caaatgcant canccactgg	240
ccc	243